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(54) Title: HOME NETWORK SYSTEM

APPLICATION SOFTWARE		(	MESSAGE		,- <del></del>
APPLICATION LAYER		APDU HEADER	MESSAG		
NETWORK LAYER	NPDU HE	EADER	APDU	NPDU TRAILER	}
HOME CODE CONTROL SUB-LAYER	HOME O	CODE	NPDU		]
DATA LINK LAYER	FRAME HEADER	HC	VPDU	FRAME TRAILER	
PHYSICAL LAYER					

(57) Abstract: The present invention discloses a home network system using a living network control protocol. The home network system includes: a network based on a predetermined protocol; at least one electric device connected to the network; and a network manager connected to the network, for controlling and/or monitoring the electric device, wherein the protocol includes an application layer, a network layer, a data link layer and a physical layer, wherein the physical layer further includes a special protocol for providing an interface with a dependent transmission medium, and the network layer further includes a home code control sub-layer for managing a home code form network security when accessing the dependent transmission medium; and wherein an application layer protocol data unit (APDU) is transmitted between the application layer and the network layer, a network layer protocol data unit (NPDU) is transmitted between the network layer and the between the network layer and the home code control sub-layer, a home code control sub-layer protocol data unit (HCNPDU) is transmitted between the home code control sub-layer and the data link layer and the physical layer.

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C. DOCUM	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where	appropriate, of the relevant pa	ssages	Relevant to claim No.
х	Koon-Seok Lee, Hoan-Jong Choi, Ci Baek,'A new control protocol for hom International Symposium on Industric Proceedings. ISIE 2001. 12-16 June volume 1	ne appliances-LnCP.' In al Electronics, 2001	n:	1-54
A	Yi-Min Wang; Russel, W.; Arora, A.; 'Towards dependable home network' Proceedings International Conference and Networks, 2000. DSN 200025 - 2000, USA, IEEE Computer Society pages	ing: an experience rep e on Dependable Syst 28 June 2000 Los Ala	ort.' In:	1-54
☐ Further de	ocuments are listed in the continuation of Box C.	See patent family		
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